

# AP-GS501B

## 1-Port FXS GSM Gateway

High Performance GSM Gateway Solution

Emergency 112, 911 Dial Service  
without SIM-card



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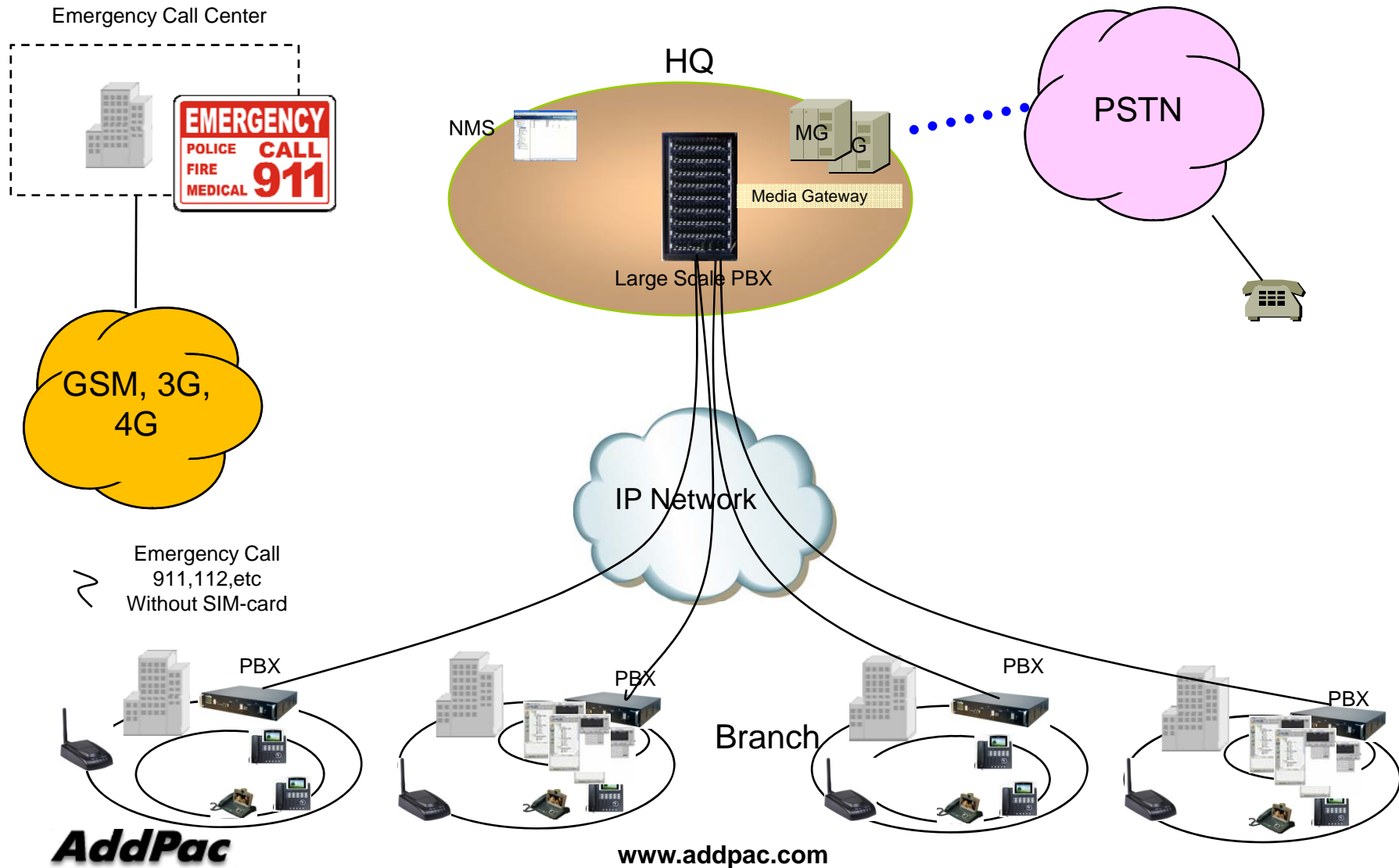
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# Network Diagram



# Emergency Call Issues in VoIP Network

- Emergency call dialing via mobile network such as GSM, 3G, 4G LTE is very important to find a dialer's location position in emergency situation. Mobile terminal's location finding algorithm and solution is general and most of mobile operator provides location finding service for emergency situation. Emergency dial numbers are 112, 911, 101, 102, 103, etc.
- In VoIP world, one of most important issues is a dialer's location finding issue in emergency situation.
- To resolve location finding problem in VoIP Network, fixed AP-GS501B 1-port GSM gateway without SIM-card can be alternative solution. In HQ-branch VoIP network, small branch side IP telephony can use AP-GS501B for emergency call. The other normal call is proceeding via HQ IP telephony via Internet or VPN network.

# Emergency Call Dialing without SIM-card

- without SIM-card
  - SIP VoIP Call  
(Normal Call : discard, Emergency Call (112, 911, 101, 102, 103) : call proceeding)
  - Analog FXS  
(Normal Call : discard, Emergency Call (112, 911, 101, 102, 103) : call proceeding)
- with SIM-card
  - SIP VoIP Call  
(Normal Call : call proceeding , Emergency Call (112, 911, 101, 102, 103) : call proceeding)
  - Analog FXS  
(Normal Call : call proceeding, Emergency Call (112, 911, 101, 102, 103) : call proceeding)

# SOHO GSM Gateway Series

# Thank you!

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